

Depth values gridded at a spacing of 2 km.; on Lambert projection with 87 W. as central meridian

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards.



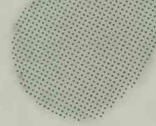
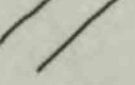

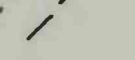
SCALE 1:500,000

0 10 20 30 40 50 KILOMETERS

Figure 4 -- Maximum Depth to Magnetic Basement Map and Major Magnetic, Gravity, and Geologic Features of Western Kentucky

Depth contours computer drawn

EXPLANATION

-  Depth Contour--Contour interval is 0.5 km; datum is mean sea level. Hachures indicate closed depressions.
-  Location of Depth Estimate
-  Mafic or Ultramafic Body--Interpreted from magnetic and gravity fields. Approximate boundary of body determined from zero contour of associated anomaly on a second vertical derivative magnetic map, after reducing the field to the North Pole.
-  Approximate Boundaries of Major Fault System
-  Approximate Boundaries of South-Central Magnetic Lineament
-  Approximate Boundaries of Magnetic and Gravity Zones of High and Low Intensity in Southwestern Parts of Kentucky